Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-6. (Canceled)

7. (Original) A process for reclaiming fuel oil from waste oil, comprising the steps of:

(a) increasing the pressure inside a thermal cracking vessel up to 50 ~ 100 psi by feeding waste oil to the thermal cracking vessel using a high pressure pump;

(b) heating the thermal cracking vessel until the temperature inside the thermal cracking vessel reaches about 200 °C;

(c) slightly opening the thermal cracking vessel to release any trapped air in the vessel to the atmosphere and closing the vessel;

(d) heating the thermal cracking vessel to maintain the temperature inside the thermal cracking vessel at a constant value in the range of 300 ~ 350 °C until about 50% of the waste oil is removed from the vessel by thermal cracking;

(e) stopping heating and depressurizing the thermal cracking vessel at least up to 10^{-6} torr; and

(f) removing vacuum pressure inside the thermal cracking vessel when about 70% of the waste oil goes through thermal cracking.

8. (Original) The process according to claim 7, further comprising the step of pre-pressurizing the thermal cracking vessel up to 100 ~ 150 psi using argon gas before the (b) step.

9. (Original) The process according to claim 7, wherein the waste oil is filled up 70 ~ 80% of the thermal cracking vessel volume in the (a) step.

10. (Original) The process according to claim 7, wherein the bottom of the thermal cracking vessel slightly opens to remove solidifying ash cake during the (a) ~ (d) steps.